

*“Herd”* means any group of swine maintained for 60 days or more on common ground for any purpose, or two or more groups of swine that have been intermingled without regard to pseudorabies status and are under common ownership or possession and that have been geographically separated within the state of Iowa. Two or more groups of swine are assumed to be one herd, unless an investigation by the epidemiologist has determined that intermingling and contact between groups has not occurred.

*“Low incidence state/area”* means a state or subdivision of a state with little or no incidence of pseudorabies and which qualifies for Stage III, or higher, and has been designated Stage III, or higher, by the National Pseudorabies Control Board as defined in the State/Federal Industry Program Standards for pseudorabies eradication; or an area outside the United States with a low incidence of pseudorabies determined by at least an equivalent testing protocol as is used to establish Stage III status.

*“Native Iowa feeder pig”* means a feeder pig farrowed in Iowa, and always located in Iowa.

*“Premises”* means a parcel of land together with buildings, enclosures and facilities sufficient for swine production.

*“Restricted movement”* means movement of swine in accordance with 2000 Iowa Acts, Senate File 2312, section 17.

*“Vicinity”* means a distance less than one-half mile.

**21—64.148(163,166C) Pseudorabies tests and reports.** Rescinded IAB 9/6/89, effective 10/11/89.

**21—64.149(163,166C) Approval of qualified pseudorabies negative herd.** Rescinded IAB 9/6/89, effective 10/11/89.

**21—64.150(163,166C) Shipment of breeding swine and feeder pigs.** Rescinded IAB 9/6/89, effective 10/11/89.

**21—64.151(163,166D) Quarantines.**

**64.151(1)** Except for sales to slaughter or to pseudorabies-approved premises, owners of animals tested for pseudorabies shall hold the entire herd on the premises until results are determined.

**64.151(2)** Infected herds not on an approved cleanup plan. All known pseudorabies infected herds, not on an approved herd cleanup plan, are subject to restricted movement to slaughter according to 64.154(2)“c” and 64.155(8).

**64.151(3)** Quarantine releasing procedures.

*a.* A herd of swine shall no longer be classified as a known infected herd after removal of all positive swine and at least one of the following three conditions have been met:

(1) All swine have been removed and the premises have been cleaned and disinfected and maintained free of swine for 30 days or a period of time determined adequate by an official pseudorabies epidemiologist.

(2) All swine seropositive to an official test have been removed and all remaining swine, except suckling pigs, are tested and found negative 30 days or more after removal of the seropositive animals.

(3) All swine seropositive to an official test have been removed, and all breeding swine that remain in the herd and an official random sample consisting of at least 30 animals from each segregated group of grower-finisher swine over two months of age are tested and found negative 30 days or more after removal of the seropositive animals. A second test of grower-finisher swine at least 30 days after the first test is required.

*b.* In nurseries and finishing herds without any breeding swine and where no pigs are received from quarantined premises, quarantines may be released as follows:

(1) A negative official random-sample test consisting of at least 30 animals from each segregated group, conducted at least 30 days following depopulation with cleaning and disinfection of the premises and 7 days’ downtime, or

(2) A negative official random-sample test consisting of at least 30 animals from each segregated group, conducted at least 30 days following a similar negative official random-sample test.

A similar official random-sample test must then be conducted between 60 and 90 days following quarantine release.

Any quarantine releasing procedure deviating from the above procedures or Iowa Code section 166D.9 must be approved by the official pseudorabies epidemiologist and the state veterinarian.

**21—64.152(163,166D) Nondifferentiable pseudorabies vaccine disapproved.** The only pseudorabies vaccine or pseudorabies vaccine combination used in this state shall be a differentiable vaccine.

After July 1, 1993, this vaccine must be differentiable by a licensed and approved differentiable pseudorabies test capable of determining gp1 negative swine vaccinated with a gp1 gene deleted vaccine.

**21—64.153(166D) Pseudorabies disease program areas.**

**64.153(1)** Pseudorabies disease program areas as declared by the Iowa department of agriculture and land stewardship: all counties in the state of Iowa.

**64.153(2)** All producers will permit sufficient swine in their herds to be tested at program expense to determine the health status of the herd at intervals during the course of the program as deemed necessary by the department.

The owner shall confine the swine to be tested in a suitable place and restrain them in a suitable manner so that the proper tests can be applied. If the owner refuses to confine and restrain the swine, after reasonable time the department may employ sufficient help to properly confine and restrain them and the expense of such help shall be paid by the owner.

The swine tested shall be sufficient in number, and by method of selection, to qualify for the surveillance program required to attain and maintain the program stages according to the most recent "State-Federal-Industry Program Standards" for pseudorabies eradication.

**64.153(3)** No indemnities will be paid for condemned animals.

**64.153(4)** Any person possessing swine is required to provide the name and address of the owner or the owner's agent to a representative of the department.

**64.153(5)** Beginning on October 1, 1999, all swine located within three miles of a pseudorabies-infected herd are required to be vaccinated with an approved pseudorabies vaccine within seven days of notification by a regulatory official. One dose of vaccine shall be administered to growing swine prior to 14 weeks of age or 100 pounds. Swine over six months of age or greater than 200 pounds, used or intended to be used for breeding, shall receive vaccine on a schedule designed to administer at least four doses throughout a 12-month period. The department may require a herd test to monitor both the pseudorabies status and the pseudorabies vaccine status of the herd.

A waiver for this vaccination requirement may be issued by the state veterinarian, based on epidemiological investigation and risk determination. Herd testing, at a level determined by the pseudorabies epidemiologist, will be required as a condition for issuance of a vaccination waiver.

In addition, beginning April 19, 2000, all swine located in a county designated as in Stage II of the national pseudorabies eradication program are required to be vaccinated with a modified-live differentiable vaccine. Breeding swine shall at a minimum receive quarterly vaccinations. Feeder swine shall at a minimum receive one vaccination administered when the swine reach 8 to 12 weeks of age or 100 pounds. These vaccination requirements shall be waived if:

- a. The swine are part of a herd's being continuously maintained as a qualified negative herd; or
- b. The swine are part of a herd located within a county where both of the following conditions apply:

(1) The department has determined that the county has a six-month history of 0 percent prevalence of pseudorabies infection among all herds in the county, and

(2) All contiguous counties have a 0 percent prevalence of pseudorabies infection among herds in that county.

**64.153(6)** All premises containing swine which are located in the Stage II area of Iowa must have a monitoring test for the premises conducted between January 1, 2000, and August 31, 2000.

**21—64.154(163,166D) Identification.**

**64.154(1)** All breeding and feeder swine being exhibited or having a change of ownership must be identified by a method approved by the Iowa department of agriculture and land stewardship. The identification shall be applied by the owner, the pig dealer, or the livestock dealer at the farm of origin or by the pig dealer or the livestock dealer at the first concentration point.

**64.154(2)** Approved identification.

*a. Breeding swine.*

(1) Ear tags or tattoos with an alphabetic or numeric system to provide unique identification for each animal.

(2) Ear notches or ear tattoos, if applied according to the standard breed registry system.

(3) Electronic devices, other devices, or marks which, when applied, will permanently and uniquely identify each animal.

(4) Breeding swine qualified to move intrastate without individual tests may move without unique identification of each animal, if they are all identified as a group to the herd of origin by an official premises tattoo.

*b. Feeder swine.*

(1) Ear tags or tattoos with an alphabetic or numeric system to provide unique identification with each herd, each lot, or each individual swine.

(2) Electronic devices, other devices, or marks which, when applied, will provide permanent identification with each herd, each lot, or each individual swine.

*c. Restricted movement swine.*

(1) All infected herds not on an approved herd cleanup plan shall only move swine directly to slaughter by restricted movement. All animals from infected herds must move by restricted movement to slaughter (slaughtering plant or fixed concentration point) or to an approved premises detailed in the herd cleanup plan. The department may, until a herd plan is approved and showing progress, require the movement of all slaughter swine by “direct movement,” to slaughter only, by a Permit for Restricted Movement to Slaughter which provides a description of the animals, the owner, the consignee, the date of movement, the destination, and the identification or vehicle seal number if applicable. These “restricted movement to slaughter only swine” shall be individually identified by approved metal ear tags applied at the farm of origin, if required. The transportation vehicle must be sealed at the farm of origin. This seal shall be applied by an accredited veterinarian. This seal shall be removed by an accredited veterinarian, USDA official, department official, or the person purchasing the swine upon arrival of the consignment at the destination indicated on the Permit for Restricted Movement to Slaughter.

The ear tags shall have an alphabetic or numeric numbering system to provide unique identification with each herd, each lot, or each individual swine. They shall be applied prior to movement and listed on the Permit for Restricted Movement to Slaughter, if required. This Permit for Restricted Movement to Slaughter shall be issued and distributed by an accredited veterinarian as follows:

1. Original to accompany shipment.
2. Mail a copy to the department.
3. Veterinarian issuing permit will retain a copy.

(2) The vehicle sealing requirement may be waived by the department. Written application for waiver must be directed to the state veterinarian's office, and written waivers may be granted for herds in compliance with an approved herd cleanup plan. The minimal requirements for granting a waiver shall be:

1. No clinical disease in the herd for the past 30 days.
2. Complete herd vaccination documentation.
3. Compliance with herd plan testing requirements.
4. Concurrence of herd veterinarian and regulatory district veterinarian.

No waiver shall be granted, and waivers already granted shall be voided, for herds still classified as infected four months from the initial infection date. The department may impose additional requirements on a case-by-case basis.

The department may grant an extension to this waiver for a period of up to four additional months on a case-by-case basis. Written application for waiver extension must be directed to the state veterinarian's office, and written waivers may be granted for herds in compliance with an approved herd cleanup plan.

**64.154(3)** Approved ear tags available from the Iowa department of agriculture and land stewardship:

- a. Pink tags to identify pseudorabies vaccinated swine.
- b. Silver tags to identify feeder pigs from pseudorabies noninfected herds.
- c. Blue tags to identify other swine.

**64.154(4)** Farm-to-farm movement of native Iowa feeder pigs.

a. Native Iowa feeder pigs sold and moved farm-to-farm within the state are exempt from identification requirements if the owner transferring possession and the person taking possession agree in writing that the feeder pigs will not be commingled with other swine for a period of 30 days. The owner transferring possession shall provide a copy of the agreement to the person taking possession of the feeder pigs.

b. "Moved farm-to-farm" as used in this rule means feeder pigs farrowed and raised in Iowa by a farm owner or operator and sold to another farm owner or operator who agree, in writing, not to commingle these pigs for at least 30 days.

Feeder pigs purchased for resale by a pig dealer cannot be moved farm-to-farm, as described in the above paragraph. They must be accompanied by a Certificate of Veterinary Inspection and be identified.

c. Identification-exempt feeder pigs must originate from a "monitored," or other "noninfected," herd. The "monitored herd" number, or other qualifying number, and the date of expiration must also be shown on the Certificate of Inspection.

All identification-exempt feeder pigs aboard the transport vehicle must be from the same farm of origin and be the only pigs aboard. They must be kept in "isolation" and transported by "direct movement" to the farm of destination.

d. The veterinarian will certify, by signature on the Certificate of Inspection, that the above conditions have been met and that the pigs are exempt from the identification requirements and will qualify for movement according to 64.155(4).

**64.154(5)** Swine being relocated intrastate without a change of ownership are exempt from health certification, identification requirements, and transportation certification except as required by Iowa Code chapter 172B provided relocation records sufficient to determine the origin, the current pseudorabies status of the herd of origin, the number relocated, the date relocated, and destination of the relocated swine are available for inspection.

Swine relocated within a herd held on multiple premises are exempted from this health certification, identification requirement, and transportation certification, except as required by Iowa Code chapter 172B and the above record-keeping requirements.

Relocation records, if required, shall be maintained and available for inspection for a minimum of two years.

**64.154(6)** This rule should not be construed to implement or affect the identification requirements set down in Iowa Code sections 163.34, 163.35, 163.36, and 163.37. Records of identification applied to slaughter swine at concentration points shall be reported weekly to the department on forms provided by the department.

**21—64.155(163,166D,172B) Certificates of inspection.** The following certificates shall be used as outlined. All are provided by the department. All require inspection by a licensed accredited veterinarian.

**64.155(1)** Iowa origin Interstate Certificates of Veterinary Inspection shall be used for exporting breeding swine or feeder swine out of the state.

**64.155(2)** Intrastate Certificates of Veterinary Inspection shall be used for the following movements:

*a.* The intrastate movement of feeder swine, with a change of ownership, originating from noninfected herds requires approved identification and noninfected herd identification number, showing the date of last test on a Certificate of Veterinary Inspection. The feeder swine shall be quarantined for 30 days.

*b.* The intrastate movement, with a change of ownership, of breeding swine from nonquarantined herds requires approved identification and noninfected herd number, or individual test results and dates tested included on a Certificate of Veterinary Inspection only. The breeding swine shall be quarantined for 30 days.

*c.* The concentration points to farm movement of feeder swine originating from noninfected herds requires approved identification and herd identification number and date tested included on a Certificate of Veterinary Inspection. The feeder swine shall be quarantined for 30 days.

*d.* The concentration point to farm intrastate movement of noninfected breeding swine from non-quarantined herds requires approved identification and noninfected herd number or individual test results and dates tested included on a Certificate of Veterinary Inspection. The breeding swine shall be quarantined for 30 days.

*e.* The farm to an approved premises or from a concentration point to an approved premises movement of feeder swine requires approved identification and approved premises number to be included on a Certificate of Veterinary Inspection. A statement, "Quarantined until slaughter," shall be included on a Certificate of Veterinary Inspection.

*f.* Movement of exhibition swine to an exhibition when a certificate is required must be with a Certificate of Veterinary Inspection.

**64.155(3) QLSM certificate.** A QLSM certificate shall be used when moving swine under restricted movement and quarantined until moved to slaughter. The certificate shall be used for the following movements:

*a.* Movement of feeder swine from quarantined herds to approved premises. Approved identification and approved premises number shall be included on the certificate. The swine are quarantined to slaughter or can be moved to another approved premises on a certificate of inspection.

*b.* Movement of feeder swine from herds of unknown status, feeder pig cooperator herd plans, or herd cleanup plans. Approved identification shall be included on the certificate. This certificate is used for farm-to-farm or concentration point to farm movements.

**64.155(4)** A Farm-to-Farm Certificate of Veterinary Inspection or an Intrastate Certificate of Veterinary Inspection shall be used for moving identification-exempt native Iowa feeder pigs farm-to-farm according to 64.154(4) "b." Feeder swine purchased for resale by a pig dealer must be identified and accompanied by a Certificate of Inspection.

**64.155(5)** Import Interstate Certificates from out-of-state origins shall accompany shipments of breeding swine and feeder swine into Iowa.

*a.* Feeder swine: If a state of origin does not issue a monitored herd number, then the certificate shall include the statement, "These pigs are from a noninfected herd and the date of last test was \_\_\_\_\_," or "These pigs are from a monitored herd tested within the last 12 months. Date of last test was \_\_\_\_\_." The certificate shall include the following statement: "These feeder pigs are quarantined until moved to slaughter."

*b.* Breeding swine: Individual test results and date tested or noninfected herd number and date of last test shall be included on the certificate.

*c.* Feeder swine from low incidence state/area of origin. The certificate shall include the following statements, "These pigs were born and raised in the state/area of \_\_\_\_\_," (state/area name) and "These feeder pigs are quarantined until moved to slaughter."

*d.* Beginning January 1, 1998, all imported feeder swine, except those from qualified negative herds entering qualified negative herds, must be vaccinated for pseudorabies with a G1 deleted vaccine within 45 days of arrival if imported into a county with a pseudorabies prevalence greater than 3 percent. This requirement must be stated on the import interstate certificate. Imported swine consigned directly to slaughter are exempt from vaccination requirements.

**64.155(6)** Slaughter affidavits shall accompany all shipments of feeder swine or finished swine from concentration points moving direct to slaughter.

**64.155(7)** Transportation certificate. This certificate involves shipments of swine from farm or approved premises moving direct to slaughter as detailed in Iowa Code chapter 172B. Veterinary inspection not required.

**64.155(8)** Rescinded IAB 10/22/97, effective 10/1/97.

## **21—64.156(166D) Noninfected herds.**

**64.156(1)** *Qualified pseudorabies negative herd—recertification.*

*a.* Recertification of a qualified pseudorabies negative herd and a qualified differential negative herd shall be by monthly testing, as detailed in Iowa Code section 166D.7(1) "*a.*"

*b.* The status of a qualified pseudorabies negative herd will be revoked if:

- (1) A positive test is recognized and interpreted by a pseudorabies epidemiologist as infected.
- (2) Pseudorabies infection is diagnosed.
- (3) Recertification testing is not done on time.
- (4) Inadequate number of animals are tested.
- (5) Once a qualified pseudorabies negative herd is decertified, the herd must meet all requirements of Iowa Code section 166D.7, to recertify as a qualified pseudorabies negative herd.

**64.156(2)** *Iowa monitored feeder pig herd.*

*a.* Test requirements for a monitored feeder pig herd status include a negative herd test every 12 months of randomly selected breeding animals according to the following schedule:

1-10 head	Test all
11-35 head	Test 10
36 or more	Test 30 percent or 30, whichever is less.

Effective July 1, 2000, all breeding herd locations in Stage II counties must have a monitored or better status or move by restricted movement.

*b.* A monitored identification card will be sent by first-class mail to the herd owner shown on the test chart if test results qualify the herd as monitored. An expiration date which is 12 months from the date that the certifying tests were drawn will be printed on the card.

It is the owner's responsibility to retest the herd annually. The monitored status is voided on the date of expiration. A monitored herd status is revoked if:

- (1) A positive test is recognized and interpreted by a pseudorabies epidemiologist and interpreted as infected.
- (2) Pseudorabies infection is diagnosed.
- (3) Recertification test is not done on time.
- (4) Not enough tests, according to herd size and vaccination status, are submitted.

*c.* Additions of swine to a monitored herd shall be from noninfected herds, according to Iowa Code section 166D.7.

*d.* Feeder pigs sold for further feeding require a monitoring test conducted within the six months prior to movement if the feeder pigs have been maintained on the same site as the breeding herd.

e. Monitored, or higher, status feeder pigs sold may regain, and maintain, monitored status by a negative test of all or a random sample of 30 head of each segregated group, whichever is less, within 30 days prior to resale.

f. Nursery units located in Stage II counties and not in the vicinity of the breeding herd are required to maintain a monitored status on the nursery unit in order for the swine to be eligible to be relocated to a finishing premises. Feeder pigs sold from these nursery units must meet the requirements of a negative test of all or a random sample of 30 head of each segregated group, whichever is less, within 30 days prior to sale. An official random-sample test shall be required for each segregated group of swine on an individual premises every 12 months for the maintenance of this monitored status. These testing requirements apply to swine eligible for relocation movement. Testing requirements for this random sampling are:

Test 10 head per building, minimum 14 head per site.

Effective July 1, 2000, all nursery locations in Stage II counties must have a monitored or better status or move by restricted movement.

g. Off-site finishing units located in the Stage II counties are required to maintain a monitored status on the finishing unit in order for the swine to be eligible to be sold to slaughter. An official random-sample test will be required for each segregated group of swine on an individual premises every 12 months for the maintenance of this monitored status. These testing requirements also apply to swine eligible for relocation movement. Testing requirements for this random sampling are:

Test 10 head per building, minimum 14 head per site.

Effective July 1, 2000, all finishing locations in Stage II counties must have a monitored or better status or move by restricted movement.

h. Relocation, and sales to slaughter, require a 12-month monitoring test.

**64.156(3) *Qualified differentiable negative herd—recertification.***

a. Recertification of a qualified differentiable negative herd will include monthly testing, as detailed in Iowa Code section 166D.7. A minimum of five breeding swine or 10 percent of the breeding herd, whichever is greater, must be tested each month.

b. The status of a qualified differentiable negative herd will be revoked if:

- (1) A positive test is recognized and interpreted by a pseudorabies epidemiologist as infected.
- (2) Pseudorabies infection is diagnosed.
- (3) Recertification testing is not done on time.
- (4) Inadequate number of animals are tested.

(5) Once a qualified differentiable negative herd is decertified, the herd must meet all requirements in Iowa Code section 166D.7 to recertify as a qualified differentiable negative herd.

**64.156(4) *Maintaining qualified negative status (progeny).*** Progeny from qualified negative (unvaccinated) or from qualified negative (vaccinated) herds moved to a facility not within the vicinity of the herd of origin and unexposed to lesser status swine may maintain qualified negative status by a monthly negative test of 10 percent or 60 head, whichever is less, of swine that have been on the premises for at least 30 days.

**64.156(5) *Other qualified pseudorabies negative herds.*** Any breeding herd in a Stage IV or V State/Area or an area outside the United States with a low incidence of pseudorabies equivalent to a Stage IV or V State/Area is recognized as a qualified pseudorabies negative herd.

**64.156(6) *Fertility centers.*** Breeding swine in a fertility center shall attain a “noninfected herd” status by an initial negative test of all breeding swine in the center. This status shall be maintained by a monthly negative test of a random sample of five head or 10 percent, whichever is greater, of the swine at the center. All additions of swine to the fertility center must originate from a “noninfected” herd, must be placed in isolation for 30 days or more, and must test negative for pseudorabies 20 days or more after being isolated.

a. Semen and germplasm must be identified to the fertility center of origin.

b. Imported semen or germplasm must originate from a fertility center, or “noninfected” herd, with requirements at least equivalent to the above, and be identified to the fertility center.

**21—64.157(166D) Herd cleanup plan for infected herds (eradication plan).**

**64.157(1)** The herd cleanup plan shall be a written plan approved and on file with the department.

**64.157(2)** The herd cleanup plan shall contain:

- a. Owner's name, location and herd number.
- b. Type of herd plan selected, e.g., offspring segregation, test and removal, depopulation.
- c. Description of the plan, which shall include the following requirements:

(1) The breeding herd shall be maintained on an approved vaccination program, at least four times per year;

(2) The progeny shall be weaned and segregated by five weeks of age or less, and progeny group isolation shall be maintained according to the terms of the herd plan;

(3) The herd must be visited on a regular basis (at least quarterly) by the herd veterinarian to monitor progress of the herd cleanup plan. This will include monthly testing if applicable, overseeing management procedures which may include all-in, all-out swine movement, ventilation, sanitation, disinfection, and vaccine handling;

(4) Vaccine shall be administered to the progeny swine at least once, or more often if required by the herd plan;

(5) Feeder pig movement or relocation from the premises of origin must be detailed in writing in the herd cleanup plan. Feeder pig movement or relocation from the premises of origin will only be allowed to approved premises and must be detailed in writing in the herd cleanup plan. Movement will not be allowed from the herd if the herd has experienced clinical symptoms of pseudorabies in the past 30 days. Effective April 19, 2000, all movements from infected premises shall be by restricted movement. "Movement" in this paragraph includes movement to a premises in the production system not in the vicinity of the current location, irrespective of whether there is a change of ownership;

(6) Culled breeding swine must move by restricted movement directly to slaughter (slaughtering plant or fixed concentration point) or to an approved premises in compliance with Iowa Code section 166D.10 as amended by 2000 Iowa Acts, Senate File 2312, section 16, and as detailed in the herd cleanup plan. No swine moved from infected herds may be represented as breeding swine;

(7) Herds identified as infected on or after August 1, 1999, with breeding swine, shall implement a test and removal herd cleanup plan which allows for the phased test and removal of bred animals for one farrowing cycle, followed by a whole herd test and removal plan. Effective August 1, 2000, a whole herd test and removal plan shall be implemented for all infected breeding herds. The herd plan shall include the following:

1. All breeding swine, including boars, shall be tested within 14 days of the herd's being classified as infected. Testing shall also include progeny, if applicable.

2. All breeding swine must be identified by an approved ear tag, or other approved identification method, at the time of blood collection.

3. Until August 1, 2000, all seropositive, unbred breeding swine must be removed from the herd by restricted movement, direct to slaughter (slaughtering plant or fixed concentration point), within 15 days after blood collection. All seropositive, bred swine must be removed from the herd by restricted movement, direct to slaughter (slaughtering plant or fixed concentration point), within 15 days of weaning. All replacement breeding stock must be vaccinated prior to addition into the herd and must be retested 60 days after entry into the herd. Effective August 1, 2000, all seropositive animals, bred or unbred, must be removed from the herd by restricted movement, direct to slaughter (slaughtering plant or fixed concentration point), within 15 days of the whole herd test. All known positive animals in the herd on August 1, 2000, must be removed from the herd by restricted movement, direct to slaughter (slaughtering plant or fixed concentration point), by August 15, 2000.



4. A whole herd test shall be required within 30 days after the removal of the last known positive animal. Any additional seropositive animals must be removed from the herd by restricted movement, direct to slaughter, within 15 days of the collection date. Whole herd retests shall be required at 30-day intervals, with removal of positive animals within 15 days of the test, until it has been determined that the herd is noninfected.

5. Seropositive swine must be removed from the herd, by restricted movement, direct to a buying station or to a slaughtering establishment.

All swine movement from infected herds must be by restricted movement directly to slaughter or to an approved premises as detailed in the herd cleanup plan.

When a herd is designated a noninfected herd, or has been depopulated, by procedures detailed in Iowa Code section 166D.9, the plan is completed;

(8) Beginning October 1, 1999, a herd cleanup plan shall be implemented for all infected finishing herds which shall include the following:

1. A description of the premises, including the location, capacity, physical layout, owner's name, and herd number.

2. Vaccination requirements:

- Every animal, unless such animal is within three weeks of anticipated slaughter, must be vaccinated with an approved pseudorabies vaccine within seven days of notification by a regulatory official.

- New animals introduced into the infected premises are to be vaccinated with an approved pseudorabies vaccine according to the timetable outlined in the herd plan.

- If, through subsequent testing, additional buildings on the site are determined to be infected, all swine on the site shall be managed by all-in, all-out production.

3. Testing requirements:

- A minimum of 14 swine, selected randomly, per building, shall be tested immediately.

- Swine shall be retested, at a minimum of 14 animals, selected randomly, per building, every 45 days, if necessary, until the premises are determined to be noninfected.

4. Description, restrictions, and requirements of pig flow through the facilities.

5. All movements from infected finishing sites shall be by restricted movement and only to slaughter.

d. Specific movement limitations which may include approved destination locations, "restricted movement to slaughter," or other appropriate animal movement control measures.

e. Signatures of the herd owner, the owner's veterinarian, and the epidemiologist or the epidemiologist's representative.

**64.157(3)** Rescinded IAB 10/22/97, effective 10/1/97.

**64.157(4)** Rescinded IAB 10/22/97, effective 10/1/97.

**64.157(5)** If this herd cleanup plan is not followed, is discontinued, or is not progressing in a satisfactory manner as determined by the department, the herd is a quarantined herd and is subject to "restricted movement to slaughter," according to 2000 Iowa Acts, Senate File 2312, section 17, until a new and approved cleanup plan is in place and showing progress according to a designated epidemiologist.

**64.157(6)** Rescinded IAB 10/22/97, effective 10/1/97.

**64.157(7)** A deviation from a herd cleanup plan may be used in exigent circumstances if the deviation has the approval, in writing, of the epidemiologist and the state veterinarian.

## **21—64.158(166D) Feeder pig cooperator plan for infected herds.**

**64.158(1)** A feeder pig cooperator plan shall be a written plan approved and on file with the department.

**64.158(2) Feeder Pig Cooperator Plan Agreement—revised effective April 1, 1995.**  
**Feeder Pig Cooperator Plan Agreement—Revised**

Date:

Herd I.D. Number:

Owner's Name:

Address:

Telephone Number:

The Feeder Pig Cooperator Plan Agreement shall include the following:

1. The herd has not experienced clinical signs of pseudorabies within the previous 30 days.
2. Maintain the breeding herd on an approved vaccination program, at least four times per year.
3. Wean and segregate progeny by five weeks of age or less and maintain progeny group isolation until moved as feeder pigs.
4. The herd must be visited at least quarterly by the herd veterinarian to monitor progress of herd cleanup plan; this shall include quarterly testing, if applicable, overseeing management procedures including all-in, all-out swine movement, ventilation, animal waste handling, sanitation, disinfection and vaccine handling.
5. Feeder pigs may be marketed or moved intrastate as cooperator pigs by restricted movement to approved premises detailed in the herd cleanup plan provided that all requirements of this plan are followed.
6. All feeder pigs must be vaccinated prior to sale. Vaccine shall be administered according to individual's herd plan.
7. All feeder pigs must be identified prior to sale with an official pink feeder pig ear tag, or a tattoo, approved by the department, beginning with the letters PR. All movement of feeder pigs from the herd shall be by restricted movement and only be allowed to approved premises detailed in the herd cleanup plan. All feeder pigs are quarantined to farm of destination until sold to slaughter. Movement to slaughter must be by restricted movement.
8. Breeding swine shall move directly to slaughter, or an approved premises in compliance with Iowa Code section 166D.10 as amended by 2000 Iowa Acts, Senate File 2312, section 16, and as detailed in the herd cleanup plan, and by restricted movement. No swine from infected herds may be represented as breeding swine.
9. The producer shall maintain a record of all test charts, all sales transactions by way of health certificates or restricted movement permits, and vaccine purchases for at least two years. These records shall be available to department officials upon request.
10. When this herd is determined, through procedures as detailed in Iowa Code section 166D.9, to become a noninfected herd or is depopulated, the plan is completed.
11. I agree, if this plan is not followed, is discontinued, or is not progressing in a satisfactory manner as determined by the department, the herd is a quarantined herd and subject to restricted movement, direct to slaughter or to an approved premises.

I am currently enrolled in an approved herd cleanup plan. I further agree to comply with all the requirements contained in this Feeder Pig Cooperator Plan Agreement.

Herd Owner:

Date:

Herd Veterinarian:

Date:

**21—64.159(166D) Herds of unknown status.** Feeder pigs from herds of unknown status may not move after September 30, 1993; however, these herds may test to determine status and feeder pigs may be moved according to 64.156(1), 64.156(2), 64.156(3), 64.157(3), or 64.158(2).

The owner must provide test data, prior to movement, proving that these requirements have been met.

**21—64.160(166D) Approved premises.** The purpose of an approved premises is to maintain feeder swine and feeder pigs under quarantine with movement either direct to slaughter or to another approved premises. Effective June 1, 2000, all swine moved or relocated from an infected herd on an approved herd cleanup plan may only move by restricted movement to an approved premises for further feeding or to slaughter (slaughtering plant or fixed concentration point).

**64.160(1)** The following are requirements establishing, renewing, or revoking an approved premises permit:

*a.* A permit application, as part of the herd cleanup plan, must indicate the name of the premises operator and address of the premises.

*b.* To be valid, an approved premises must be detailed as part of a herd cleanup plan and approved by a department or inspection service official certifying that the facility meets the following guidelines:

(1) Must be a dry lot facility located in an area of confirmed cases of pseudorabies.

(2) Shall not be in the vicinity of a breeding herd. Effective June 1, 2000, an approved premises shall not be located in a county designated as in Stage III of the national pseudorabies eradication program, nor shall it be located in a county which has achieved 0 percent prevalence of pseudorabies infection among all herds in the county as of March 1, 2000, or later. Effective August 1, 2000, an approved premises shall not be located within one and one-half miles of a noninfected herd or three miles of a qualified negative herd.

(3) Shall be built such that it can be thoroughly cleaned and disinfected.

(4) The lay of the land or the facilities shall not be conducive to animal waste draining onto adjacent property.

(5) Only feeder swine and cull swine may be moved onto this premises. Boars and sows are to be maintained separate and apart.

(6) Swine on the premises must be maintained in isolation from other livestock.

*c.* The permittee must provide to the department or inspection service, during normal business hours, access to the approved premises and to all required records. Records of swine transfers must be kept for at least one year. The records shall include information about purchases and sales, names of buyers and sellers, the dates of transactions, and the number of swine involved with each transaction.

*d.* Swine must be vaccinated for pseudorabies according to the herd cleanup plan. Vaccination records must be available for inspection during normal business hours.

*e.* Dead swine must be disposed of in accordance with Iowa Code chapter 167. The dead swine must be held so as to prevent animals, including wild animals and livestock, from reaching the dead swine.

*f.* Swine must be moved direct to slaughter or to another approved premises by restricted movement and as detailed in the herd cleanup plan.

*g.* An approved premises permit may be revoked by following quarantine release methods as detailed in Iowa Code section 166D.9, or failure to comply with departmental operation rules, or if swine have been removed from the premises for a period of 12 or more months.

*h.* Renewal of an approved premises will not be permitted when:

(1) The approved premises is not compliant with the requirements of this rule.

(2) Federal law prohibits approved premises.

(3) The approved premises no longer is part of an approved herd cleanup plan, or the county where the approved premises is located no longer allows approved premises or the site of the approved premises no longer complies with requirements.

*i.* Revocation of an approved premises will result in the issuance of a quarantine by the department effective until quarantine release methods have been followed as detailed in Iowa Code section 166D.9, or the approved premises has been depopulated by restricted movement to slaughter or to another approved premises as detailed in the herd cleanup plan.

**64.160(2)** An approved premises will be considered permitted as long as the approved premises is compliant with all regulations and is part of an approved herd cleanup plan.

**21—64.161(166D) Sales to approved premises.** After June 1, 2000, all feeder pigs and cull swine except those from “noninfected herds” must be moved directly to an approved premises by restricted movement for further feeding; however, these pigs may continue to move as cooperator pigs if a “Feeder Pig Cooperator Plan Agreement—Revised” is approved by the department and movement is permitted by the department.

**21—64.162(166D) Certification of veterinarians to initiate approved herd cleanup plans and approved feeder pig cooperator plan agreements and fee basis.**

**64.162(1) Requirements for certification.** To be certified, the veterinarian shall meet both of the following requirements:

- a. Be an accredited veterinarian.
- b. Attend and complete continuing education sessions as determined by the Iowa pseudorabies advisory committee and the department.

**64.162(2) Responsibilities.** A certified veterinarian is authorized to do the following:

- a. Complete and submit herd plan and herd agreement forms (supplied by the department) within ten days of completion for approval by the department.
- b. Review and update herd plans and herd agreements and report to the department any changes made.

**64.162(3) Revocation of certification.** Failure to comply with the above requirements of this rule will result in revocation of certification.

**64.162(4) Remuneration.** Compensation will be made to the veterinarian or veterinarians certified to initiate herd plans and herd agreements. Payment will be made from pseudorabies program funds, if available and authorized for these purposes. Fees for payment shall be approved by the advisory committee and established by the department by order. Payment will be made for the following:

- a. Initial herd cleanup plan with or without an accompanying feeder pig cooperator agreement. Payment will be made upon submission of the completed form and department approval of the plan.
- b. Review of herd cleanup plan. Payment will be made upon submission of the completed form and department approval of the plan review.
- c. Upon completion of the herd cleanup plan and release of the infected status, the veterinarian will receive a payment.
- d. All other herd consultation or time devoted to herd plan implementation shall be at owner's expense.

**64.162(5) Fee basis.** The following fees are allocated to the testing veterinarian when approved by the department, provided funding is available:

- a. Herd stop fee per stop not to exceed four stops per year.
- b. Bleeding fee per animal, not to exceed 100 tests per herd, per year.
- c. Differentiable vaccine reimbursement per dose, when dispensed during the first 24 months from the date of initial program area designation. Doses of pseudorabies differentiable vaccine are dispensed to infected herds on approved cleanup plans, based upon date of herd plan approval, according to the number of breeding swine.
- d. Fees for additional herd stops and tests may be allocated by approval from the department.

**21—64.163(166D) Nondifferentiable pseudorabies vaccine disapproved.** Transferred and amended, see 21—64.152(163,166D), IAB 8/19/92.

These rules are intended to implement Iowa Code chapters 163 and 166D.

**21—64.164 to 64.169** Reserved.

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#### PARATUBERCULOSIS (JOHNE'S) DISEASE

**21—64.170(165A) Definitions.** Definitions used in rules 21—64.170(165A) through 21—64.178(165A) are as follows:

“*Accredited veterinarian*” means a veterinarian approved by the deputy administrator of veterinary services, Animal and Plant Health Inspection Service (APHIS), United States Department of Agriculture (USDA), and the state veterinarian in accordance with Part 161 of Title 9, Chapter 1 of the Code of Federal Regulations, revised as of January 1, 2000, to perform functions required by cooperative state-federal animal disease control and eradication programs.

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*“Approved laboratory”* means an American Association of Veterinary Laboratory Diagnosticians (AAVLD) accredited laboratory or the National Veterinary Services Laboratory, Ames, Iowa. An approved laboratory must have successfully passed the Johne’s diagnostic proficiency test in the previous year.

*“Certificate”* means an official document that is issued at the point of origin by a state veterinarian, federal animal health official, or accredited veterinarian and contains information on the individual identification of each animal being moved, the number of animals, the purpose of the movement, the points of origin and destination, the consignor, the consignee, and any other information required by the state veterinarian.

*“Designated epidemiologist”* means a veterinarian who has demonstrated the knowledge and ability to perform the functions required under these rules and who has been selected by the state veterinarian.

*“Individual herd plan”* means a written herd management plan that is designed by the herd owner, the owner’s veterinarian, if requested, and a designated epidemiologist to identify and control paratuberculosis in an affected herd. The individual herd plan may include optional testing.

*“Paratuberculosis-affected animal”* means an animal which has reacted positively to an organism-based detection test conducted by an approved laboratory.

*“Permit”* means an official document for movement of affected or exposed animals that is issued by the state veterinarian, USDA Area Veterinarian-in-Charge, or accredited veterinarian.

*“State”* means any state of the United States, the District of Columbia, Puerto Rico, the U.S. Virgin Islands, or Guam.

**21—64.171(165A) Supervision of the paratuberculosis program.** The state veterinarian’s office will provide supervision for the paratuberculosis program.

**21—64.172(165A) Official paratuberculosis tests.** Organism-based detection tests will be considered as official paratuberculosis tests. These tests include, but are not limited to, Polymerase Chain Reaction (PCR) tests and bacteriological culture.

**21—64.173(165A) Vaccination allowed.** Vaccination against paratuberculosis is allowed with the permission of the state veterinarian. The herd owner requesting vaccination of the herd must sign and follow a paratuberculosis herd control plan consisting of best management practices designed to prevent the introduction of and control the spread of paratuberculosis. A risk assessment may be included as part of the herd control plan. The herd owner shall submit animal vaccination reports to the department on forms provided by the department.

**21—64.174(165A) Herd plan.** The herd owner, the owner’s veterinarian, if requested, and the designated epidemiologist may develop a plan for preventing the introduction of and controlling the spread of paratuberculosis in each affected herd.

**21—64.175(165A) Identification and disposal requirements.** Affected animals must remain on the premises where they are found until they are permanently identified by an accredited veterinarian applying a C-punch in the right ear of the animal. Affected animals may be moved only for the purpose of consigning the animal to slaughter.

**21—64.176(165A) Segregation, cleaning, and disinfecting.** Positive animals, consigned to slaughter through a state-federal approved auction market, must be maintained separate and apart from non-infected animals. Positive animals must be the last class of animal sold. Cleaning and disinfection of the alleyways, pen(s) and sale ring used to house positive animals must be accomplished prior to the next scheduled sale. Affected animals entering slaughter marketing channels must be moved directly to the slaughter facility or the slaughter market concentration point. Transportation vehicles used to haul affected animals shall be cleaned and disinfected after such use and before transporting any additional animals.

**21—64.177(165A) Intrastate movement requirements.**

**64.177(1)** Animals that are positive to an official paratuberculosis test may be moved from the farm of origin for slaughter only if the animals are moved directly to a recognized slaughtering establishment and accompanied by an owner-shipper statement that identifies the animals as positive to an official paratuberculosis test and the statement is delivered to the consignee. Positive animals shall be identified prior to movement by application of a C-punch in the right ear of the animal.

**64.177(2)** Animals that are positive to an official paratuberculosis test may be moved within Iowa for slaughter and consigned to a state-federal approved slaughter market if the animals are accompanied by an owner-shipper statement that identifies the animals as positive to an official paratuberculosis test and the statement is delivered to the consignee. Positive animals shall be identified prior to movement by application of a C-punch in the right ear of the animal.

**64.177(3)** Animals that are positive to an official paratuberculosis test may be moved within Iowa for purposes other than slaughter only by permit from the state veterinarian.

**21—64.178(165A) Import requirements.**

**64.178(1)** Animals that are positive to an official paratuberculosis test may be imported into Iowa for slaughter if the animals are moved directly to a recognized slaughtering establishment and accompanied by an owner-shipper statement that identifies the animals as positive to an official paratuberculosis test and the statement is delivered to the consignee. All animals must be officially identified.

**64.178(2)** Animals that are positive to an official paratuberculosis test may be imported into Iowa for slaughter and consigned to a state-federal approved slaughter market if the animals are accompanied by an owner-shipper statement that identifies the animals as positive to an official paratuberculosis test and the statement is delivered to the consignee. Positive animals shall be identified at the market, prior to sale, by application of a C-punch in the right ear of the animal.

**64.178(3)** Animals that are positive to an official paratuberculosis test may be imported into Iowa for purposes other than slaughter only by permit from the state veterinarian.

These rules are intended to implement Iowa Code Supplement chapter 165A.

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